



**CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERN ZONE JOINT EXAMINATIONS SYNDICATE
FORM FOUR PRE NATIONAL EXAMINATIONS 2021**

**KIRUA SECONDARY SCHOOL
FORM FOUR SUBJECTS PERFORMANCE REPORT - 2021**

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| PHYSICS | 25 | 0 | 6 | 19 | 4.7200 | 69/94 | 40/59 | 25/33 |

GRADE : A=0; B=0; C=1; D=5; F=19;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|-------------------------------|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Multiple choices | 25 | 5 | 0 | 2.68 |
| Question 2 | 5 | Matching items | 25 | 4 | 0 | 2.36 |
| Question 3 | 10 | Friction | 25 | 4 | 0 | 1.08 |
| Question 4 | 10 | Equilibrium, relative density | 25 | 4 | 0 | 0.64 |
| Question 5 | 10 | Optical instruments, censes | 25 | 4 | 0 | 0.78 |
| Question 6 | 10 | Temperature and thermometer | 25 | 4.5 | 0 | 1.42 |
| Question 7 | 10 | Magnetism | 25 | 7 | 0 | 3.20 |
| Question 8 | 10 | Expansion of solid (thermal) | 25 | 6.5 | 0 | 3.06 |
| Question 9 | 12.5 | Waves | 8 | 3 | 0.5 | 0.81 |
| Question 10 | 12.5 | Archmedes, law of flotation | 24 | 12 | 4 | 6.31 |
| Question 11 | 12.5 | Radioactivity | 14 | 11 | 0 | 3.64 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | Mechanics | 25 | 12 | 1 | 6.86 |
| Question 2 | 25 | Electrics current | 25 | 12 | 4 | 8.46 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CHEMISTRY | 26 | 0 | 18 | 8 | 4.0000 | 68/97 | 42/60 | 26/33 |

GRADE : A=0; B=0; C=8; D=10; F=8;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Multiple choices | 26 | 7 | 1 | 3.38 |
| Question 2 | 5 | Atomic structure | 26 | 4 | 1 | 1.96 |
| Question 3 | 7 | Formula. bonding and nomeclature, mole concept | 26 | 5 | 0 | 1.44 |
| Question 4 | 7 | Salts (action of heat on salts), hardness of water | 23 | 5.5 | 0 | 1.17 |
| Question 5 | 7 | Chemical kinetic and equilibrium | 26 | 4 | 0 | 2.08 |
| Question 6 | 7 | Non-metal and their compounds | 26 | 4 | 0 | 1.62 |
| Question 7 | 7 | Ionic theory and electrolysis, atomic structure | 26 | 4.5 | 0 | 1.29 |
| Question 8 | 7 | Organic chemistry | 26 | 1 | 0 | 0.12 |
| Question 9 | 7 | Acids, base and salts | 26 | 2 | 0 | 0.23 |
| Question 10 | 7 | Soil chemistry, pollution (acidic rain) | 26 | 7 | 0 | 3.92 |
| Question 11 | 7 | Separation of mixtures, fuels and energy (biogas plant) | 26 | 2.5 | 0 | 1.08 |
| Question 12 | 7 | Hydrogen (preparation) | 26 | 6 | 0 | 2.85 |
| Question 13 | 15 | Extraction of metals | 1 | 0 | 0 | 0.00 |
| Question 14 | 15 | Pollution | 25 | 14 | 1.5 | 9.76 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | | 26 | 19 | 3 | 8.13 |
| Question 2 | 25 | | 26 | 25 | 5.5 | 18.38 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BIOLOGY | 71 | 0 | 54 | 17 | 3.8732 | 75/97 | 44/60 | 26/33 |

GRADE : A=0; B=3; C=20; D=31; F=17;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|--|----------------|---------------|--------------|---------------|
| PAPER 1 | | | | | | |
| Question 1 | 10 | Various topics | 71 | 10 | 2 | 5.25 |
| Question 2 | 5 | Movement | 71 | 5 | 0 | 1.76 |
| Question 3 | 6 | Introduction to biology | 70 | 6 | 0 | 3.50 |
| Question 4 | 6 | Safety in our environment | 70 | 6 | 0 | 4.53 |
| Question 5 | 6 | Safety in our environment | 71 | 4 | 0 | 1.48 |
| Question 6 | 6 | Transport of material in living things | 66 | 6 | 0 | 1.09 |
| Question 7 | 6 | Cell structure and organization | 71 | 6 | 0 | 3.32 |

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|----------------|-------|---|----------------|---------------|--------------|---------------|
| Question 8 | 6 | Classification of living things | 67 | 6 | 0 | 3.34 |
| Question 9 | 6 | Gaseous exchange, HIV/AIDS, STS's and STD's | 70 | 6 | 0 | 2.81 |
| Question 10 | 6 | Balance of nature | 71 | 6 | 0 | 3.99 |
| Question 11 | 6 | Movement | 67 | 6 | 0 | 1.54 |
| Question 12 | 6 | Reproduction, coordination | 59 | 5 | 0 | 0.81 |
| Question 13 | 15 | Nutrition | 68 | 14 | 0 | 6.26 |
| Question 14 | 10 | Genetics | 33 | 9 | 0 | 1.30 |
| Question 15 | 10 | Organic evolution | 35 | 8 | 0 | 3.64 |
| PAPER 2 | | | | | | |
| Question 1 | 25 | Nutrition | 71 | 12 | 0.5 | 5.14 |
| Question 2 | 25 | Classification of living things | 71 | 19 | 3 | 12.89 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| GEOGRAPHY | 71 | 0 | 49 | 22 | 3.8592 | 61/97 | 38/60 | 22/33 |

GRADE : A=0; B=4; C=24; D=21; F=22;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 71 | 7 | 0 | 2.85 |
| Question 2 | 5 | Matching items | 71 | 3 | 0 | 0.87 |
| Question 3 | 11 | Map reading and interpretation | 71 | 10 | 0.5 | 6.56 |
| Question 4 | 11 | Statistics | 71 | 11 | 0 | 4.01 |
| Question 5 | 11 | Survey | 70 | 10 | 0 | 3.34 |
| Question 6 | 11 | Research | 70 | 10.5 | 0 | 4.85 |
| Question 7 | 11 | Photograph reading and interpretation | 71 | 9.5 | 0 | 4.06 |
| Question 8 | 15 | Population | 50 | 8 | 0 | 5.38 |
| Question 9 | 15 | Agriculture | 70 | 15 | 0 | 6.99 |
| Question 10 | 15 | Solar system | 21 | 15 | 1 | 5.55 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|---------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| CIVICS | 70 | 0 | 67 | 3 | 3.0143 | 73/97 | 43/60 | 26/33 |

GRADE : A=3; B=15; C=33; D=16; F=3;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|-------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 69 | 9 | 1 | 5.51 |
| Question 2 | 5 | Matching items | 70 | 4 | 0 | 1.31 |
| Question 3 | 5 | Economic and social development | 70 | 5 | 0 | 1.90 |
| Question 4 | 5 | Globalization | 52 | 5 | 0 | 1.44 |
| Question 5 | 5 | Culture | 64 | 5 | 0 | 2.18 |
| Question 6 | 5 | Culture | 69 | 5 | 0 | 4.22 |
| Question 7 | 5 | Citizenship | 68 | 5 | 0 | 4.21 |
| Question 8 | 5 | Proper behavior and decision making | 69 | 5 | 0 | 4.06 |
| Question 9 | 5 | Life skills | 70 | 5 | 0 | 4.19 |
| Question 10 | 5 | Culture | 70 | 5 | 3 | 4.56 |
| Question 11 | 15 | Culture, contemporary issues | 65 | 12 | 0 | 6.65 |
| Question 12 | 15 | Contemporary , cross cutting issues | 53 | 14 | 0.5 | 8.27 |
| Question 13 | 15 | Culture | 29 | 13 | 1 | 5.86 |
| Question 14 | 15 | Government | 56 | 11.5 | 0 | 6.68 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|------------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| LITERATURE IN ENGLISH | 51 | 0 | 51 | 0 | 2.4118 | 13/36 | 9/27 | 8/24 |

GRADE : A=9; B=15; C=24; D=3; F=0;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|----------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Theory of literature | 51 | 9 | 2 | 6.02 |
| Question 2 | 5 | Theory of literature | 51 | 5 | 1 | 2.75 |
| Question 3 | 10 | Theory of literature | 51 | 10 | 5 | 7.69 |
| Question 4 | 10 | Theory of literature | 51 | 10 | 4 | 6.82 |
| Question 5 | 10 | Theory of literature | 51 | 9.5 | 0 | 5.08 |
| Question 6 | 10 | Theory of literature | 51 | 9 | 0 | 4.67 |
| Question 7 | 15 | Analysis of play | 46 | 14 | 0 | 10.34 |
| Question 8 | 15 | Analysis/interpretation of play | 40 | 14 | 1 | 7.81 |
| Question 9 | 15 | Analysis/interpretation of novel | 45 | 15 | 4 | 10.12 |
| Question 10 | 15 | Interpretation of poems | 20 | 15 | 0 | 10.33 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
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| KISWAHILI | 71 | 0 | 70 | 1 | 3.1127 | 29/97 | 16/60 | 10/33 |
|------------------|----|---|----|---|--------|-------|-------|-------|

GRADE : A=1; B=2; C=57; D=10; F=1;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|--|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Kuchagua | 71 | 8 | 0 | 3.99 |
| Question 2 | 5 | Kuoanisha | 71 | 5 | 0 | 2.68 |
| Question 3 | 4 | Sarufi | 69 | 3 | 0 | 0.80 |
| Question 4 | 4 | Mjengo wa tungo | 70 | 4 | 0 | 3.00 |
| Question 5 | 8 | Utunzi wa lugha katika miktadha mbalimbali | 71 | 8 | 0 | 7.18 |
| Question 6 | 8 | Historia ya maendeleo ya lugha ya kiswahili | 71 | 8 | 0 | 4.61 |
| Question 7 | 8 | Fasihi kwa ujumla | 71 | 8 | 0 | 2.47 |
| Question 8 | 8 | Ufahamu na ufupisho | 71 | 6 | 0 | 2.56 |
| Question 9 | 15 | Uandishi | 71 | 13 | 1.5 | 6.28 |
| Question 10 | 15 | Uhakiki wa kazi za fasihi andishi | 70 | 13 | 2.5 | 9.70 |
| Question 11 | 15 | Uhakiki wa kazi za fasihi andishi - tamthiliya | 66 | 13 | 0 | 10.22 |
| Question 12 | 15 | Utungaji wa kazi za fasihi simulizi | 5 | 14 | 2 | 6.00 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|-------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| ENGLISH LANGUAGE | 71 | 0 | 67 | 4 | 2.9859 | 63/97 | 38/60 | 22/33 |

GRADE : A=4; B=17; C=30; D=16; F=4;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|-------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 10 | Multiple choices | 71 | 10 | 1 | 5.70 |
| Question 2 | 5 | Matching items | 71 | 5 | 0 | 3.72 |
| Question 3 | 5 | Factual and non factual information | 71 | 5 | 0 | 4.11 |
| Question 4 | 5 | Language use | 71 | 5 | 0 | 2.38 |
| Question 5 | 5 | Language use | 69 | 5 | 0 | 2.01 |
| Question 6 | 8 | Directions, preposition of place | 70 | 8 | 0 | 5.90 |
| Question 7 | 7 | Family tree | 70 | 6 | 0 | 1.39 |
| Question 8 | 10 | Decoration | 71 | 9 | 2 | 7.30 |
| Question 9 | 15 | Composition, writing skills | 42 | 14 | 0 | 7.49 |
| Question 10 | 15 | Literary works | 52 | 13 | 0 | 6.80 |
| Question 11 | 15 | Literary works | 60 | 13 | 0 | 6.82 |
| Question 12 | 15 | Literary works | 56 | 15 | 0 | 7.92 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|----------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| HISTORY | 71 | 0 | 31 | 40 | 4.3380 | 79/96 | 46/60 | 26/33 |

GRADE : A=1; B=1; C=11; D=18; F=40;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|------------|-------|--|----------------|---------------|--------------|---------------|
| Question 1 | 15 | Multiple choices | 71 | 10 | 1 | 6.18 |
| Question 2 | 5 | Matching items | 71 | 5 | 0 | 1.69 |
| Question 3 | 12 | Short notes | 71 | 11 | 0 | 1.42 |
| Question 4 | 12 | Establishment of colonialism | 71 | 6 | 0 | 1.83 |
| Question 5 | 11 | Sketch map | 71 | 8 | 0 | 1.39 |
| Question 6 | 15 | Social and political organization | 64 | 13 | 0 | 7.05 |
| Question 7 | 15 | Nationalism and decolonization process | 20 | 11 | 0 | 2.63 |
| Question 8 | 15 | Colonial economy | 71 | 14 | 1 | 8.50 |
| Question 9 | 15 | Africa in the international affairs | 50 | 13.5 | 0 | 5.27 |

| SUBJECT NAME | REGIST | WITHHELD | PASSED | FAILED | GPA | OVERALL / RANK | REG / RANK | DIocese / RANK |
|--------------------------|--------|----------|--------|--------|--------|----------------|------------|----------------|
| BASIC MATHEMATICS | 71 | 0 | 0 | 71 | 5.0000 | 97/97 | 60/60 | 33/33 |

GRADE : A=0; B=0; C=0; D=0; F=71;

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|-------------|-------|---------------------------------------|----------------|---------------|--------------|---------------|
| Question 1 | 6 | Decimal and percentage, number system | 71 | 6 | 0 | 0.75 |
| Question 2 | 6 | Exponents and radicals, logarithms | 71 | 2 | 0 | 0.23 |
| Question 3 | 6 | Probability, sets | 70 | 3 | 0 | 0.34 |
| Question 4 | 6 | Coordinate geometry, vectors | 71 | 3.5 | 0 | 0.42 |
| Question 5 | 6 | Areas and perimeters, similarities | 71 | 2 | 0 | 0.04 |
| Question 6 | 6 | Rate and variations | 71 | 5.5 | 0 | 1.40 |
| Question 7 | 6 | Accounts, ratio, profit and loss | 71 | 4 | 0 | 1.13 |
| Question 8 | 6 | Sequence and series | 71 | 4 | 0 | 0.25 |
| Question 9 | 6 | Trigonometry, pythagoras | 71 | 0 | 0 | 0.00 |
| Question 10 | 6 | Quadratic equations | 71 | 3 | 0 | 0.19 |
| Question 11 | 10 | Statistics, circle | 71 | 5 | 0 | 1.77 |
| Question 12 | 10 | Earths as sphere, three dimension | 70 | 5 | 0 | 0.12 |
| Question 13 | 10 | Matrix and transformation | 71 | 5 | 0 | 0.39 |

| NUMBER | MARKS | TOPIC / QUESTION DESCRIPTION | NO OF STUDENTS | HIGHEST SCORE | LOWEST SCORE | AVERAGE SCORE |
|---------------|--------------|-------------------------------------|-----------------------|----------------------|---------------------|----------------------|
| Question 14 | 10 | Function, linear programing | 71 | 8 | 0 | 0.52 |